JUL 24, 2015

#195

AppleMagazine

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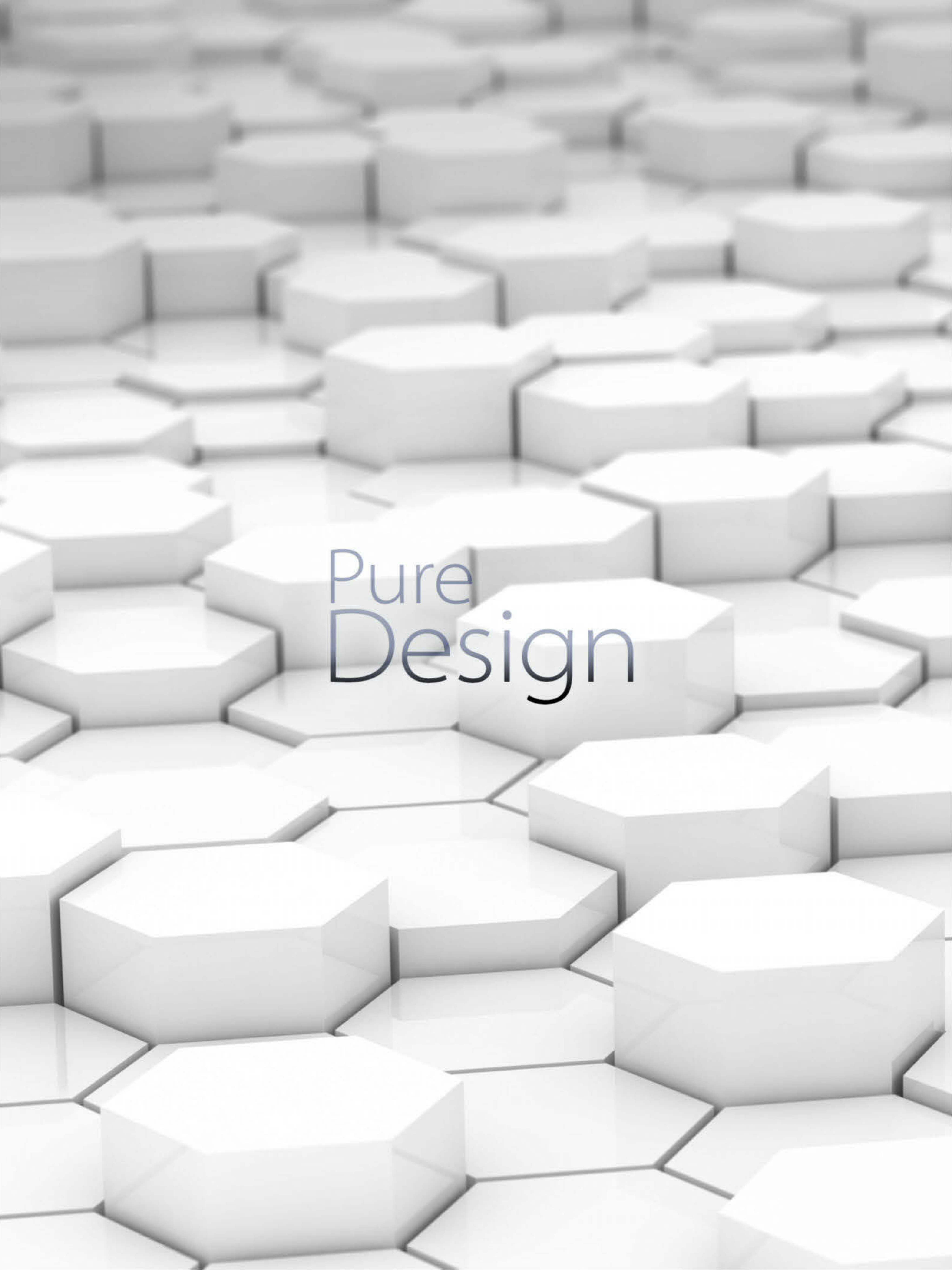
SHAREHOLDERS REVEL IN RECORD 1-DAY WINDFALL

iPHONE
STRONG SALES
APPLE STOCK DOWN WITH FEW WATCH DETAILS

iPod
NEW GENERATION UNVEILED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SUMMARY

Columns


SAN FRANCISCO or
Milo from Maine
San Francisco or Bust
From Maine

HITCHHIKING ROBOT EMBARKS ON COAST-TO-COAST TOUR ACROSS US

With its thumb raised skyward and a grin on its digital face, the robotic creation of two researchers in Canada embarked on a hitchhiking journey across the U.S. on Friday.

The humanoid robot named hitchBOT has already caught rides across Canada and in Europe, relying on the kindness and curiosity of strangers. But this is its first U.S. tour, setting out from Massachusetts with dreams of San Francisco ahead.

Along the way, it hopes to see some quintessential American sites, including Times Square, Mount Rushmore and the Grand Canyon.

To start the journey, its creators set it alongside a road in Marblehead with tape wrapped around its cylindrical head that read “San Francisco or bust.” Not long after, a group of German tourists picked it up and strapped it into their SUV with plans to take it to Boston or New York.

The kid-size robot is immobile on its own, so it gets from place to place by being schlepped around by strangers. Travelers can pass it off to others they meet, or leave it at a gas station or shop. They just leave it seated on its kickstand with its thumb raised.

Ideally, the creators hope, drivers won’t leave the bot along busy roads and will charge the battery when it runs low. Otherwise, there are no rules.

“We want to see what people do with this kind of technology when we leave it up to them,” said Frauke Zeller, one of the creators and an assistant professor in professional communication at Toronto’s Ryerson University. “It’s an art project in the wild - it invites people to participate.”

On the outside, hitchBOT looks like it’s built for play rather than performance. It has a bucket for a body and bendy foam limbs capped by yellow gardening gloves and matching rubber boots. The whimsical attire is intentional, its makers said, to make it approachable and to deter potential thieves.

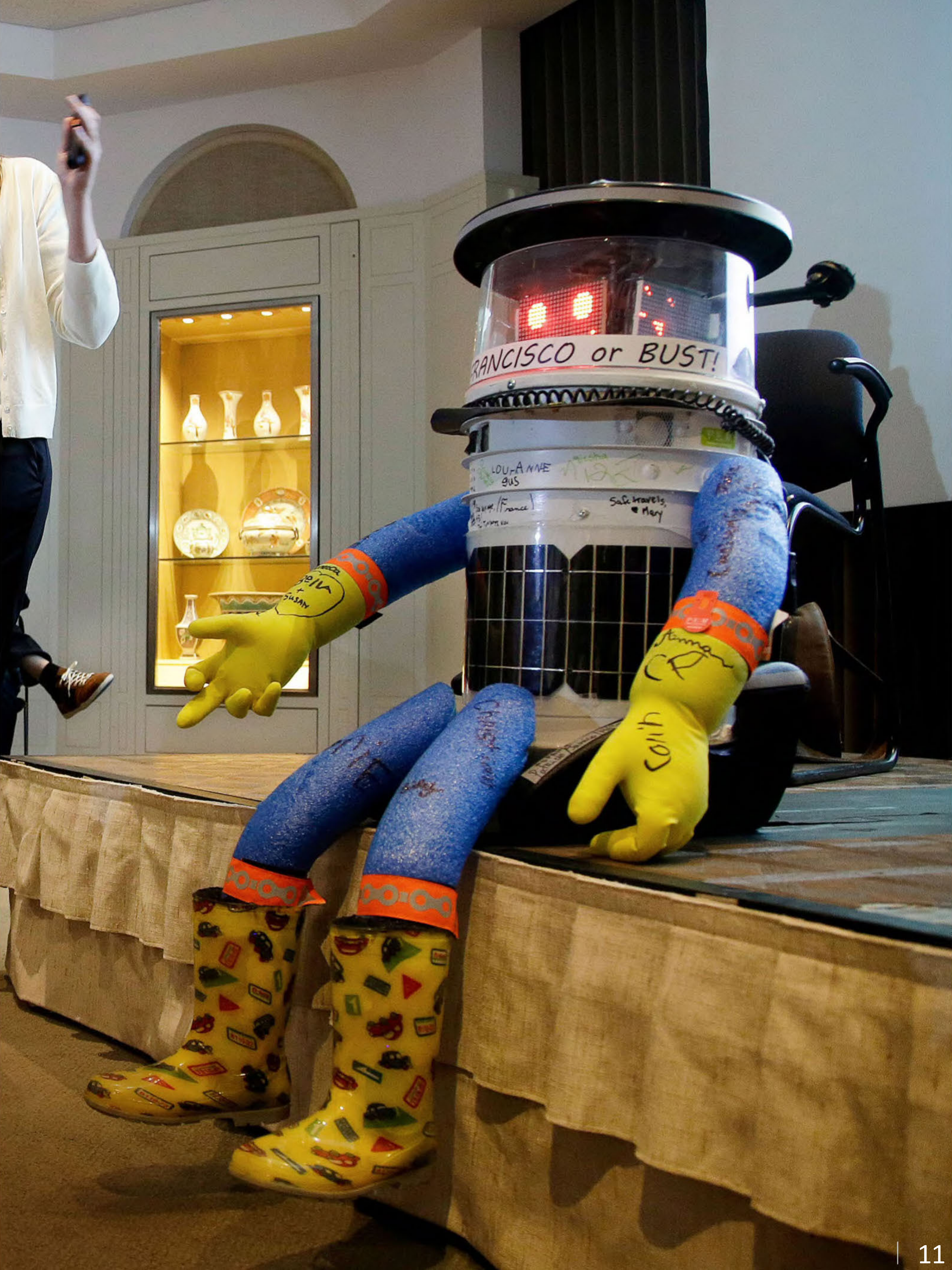
“It has a really low-tech look to it, something we dubbed the `yard-sale aesthetic,’” said David Harris Smith, the other creator and an assistant professor in communication studies at McMaster University in Hamilton, Ontario. “The head is actually an acrylic cake-saver.”


EOS 5D

Designed to be a talking travel companion, the robot can toss out factoids and carry limited conversation. It can be charming and cheeky, its makers said.

So far, there are no signs of anything nefarious done to the robot, but there's also no proof. Its creators intentionally cast their gaze aside.

"We want to be very careful to avoid surveillance technologies with this; that's not what we're trying to do here," Smith said.


RANCISCO or BUST!


SAN FRANCISC
From Maine

A GPS in the robot can track its location, and a camera randomly snaps photos about every 20 minutes to document its travels. But the team behind the robot seeks permission from people in the photos before posting them to social media, where hitchBOT has built a devoted fan base.

More than 30,000 people follow the robot on Twitter, and dozens have posted their own selfies with it. Researchers are culling data from social media to study how people interact with a robot that needs their help, unlike traditional robots designed to help them.

Among the chief questions researchers are asking, Zeller said, is whether robots can trust humans.

During past travels, the robot has attended a comic convention and a wedding, and it had its portrait painted in the Netherlands. It once spent a week with a heavy metal band.

The cross-country tour of Canada took 26 days, spanning more than 6,000 miles. As for the U.S. trip, researchers don't know how long it will take or what will happen along the way.

"We want to create something that has a bit of narrative to it, a sense of adventure," Smith said. "We don't really know what's going to happen."

SHAREHOLDERS APPROVE SAMSUNG DEAL PAVING WAY FOR SUCCESSION

Shareholders approved Friday a highly contested deal that strengthens the Samsung family's grip on the world's largest smartphone maker, sparking criticism that South Korea lacks sufficient protections for foreign investors and small shareholders.

Samsung construction company Samsung C&T said that 69.5 percent of shareholders who voted supported the takeover of it by another Samsung company, Cheil Industries.

The takeover needed two thirds of votes cast for approval. Market watchers expected a close vote after Elliott Associates, an American hedge fund that is the third largest shareholder in C&T, rallied opposition against the deal that it called unfair.

Lee Jae-yong, the son of Samsung's ailing chairman, is assuming a bigger leadership role at the South Korean conglomerate but lacks a significant stake in its flagship Samsung Electronics. The all-stock takeover of C&T by Cheil will give him that stake without having to spend billions of dollars to buy it from other shareholders.


SAMSUNG
Enjoy!!!

The outcome of the vote is likely to take a toll on South Korea’s reputation overseas as a fair place for investment.

The country has long faced criticism that the founding families of its big business groups known as chaebol exercise too much power over companies that have become publicly traded. Those concerns about poor governance and weak shareholder rights have resulted in foreign investors marking down the value of South Korean shares.

The global funds “who are looking to seek investment opportunities in Asia will divert their way from Korea even faster to China where there are more exciting growth opportunities,” said Thomas Choi, founder of Third Square Investments, which does not own any shares in Cheil or Samsung C&T.

“Foreign investors would not want to take inherent management risk by investing in Korean companies with such poor corporate governance that lead to shareholders’ value being exploited by the founding family members for their own benefit not shareholders,” he said.

The heated debate before the vote showed shareholders were sharply divided. Those that opposed the deal said its terms were too favorable to shareholders at Cheil Industries, in which the Lee family is a major shareholder.

Elliott’s attorneys tried to ease the concerns that it was threatening South Korea’s national interest, emphasizing that the foreign fund was not trying to meddle with the Samsung group’s restructuring but was speaking up for fairness.

The approval of the takeover does not necessarily mean full-hearted support from South Korean shareholders. Some said they supported the deal out of a sense of patriotism even though they believed its terms were unfair. South Korea has a history of hostility to foreign investors.

“People with C&T shares are crying and those with Cheil shares are smiling. It’s too unfair,” an elderly shareholder told the meeting before the vote. He said he would vote for the deal, but expressed displeasure with Samsung C&T board of directors.

“There are a lot of people who are just biting the bullet,” he said.

Analysts said it would have been difficult for South Korean asset management companies to speak publicly against a deal that was supported by the country’s most powerful business group. Samsung companies, including South Korea’s largest life insurer Samsung Life Insurance, are clients or potential clients for many of them.

With few predicting the result with certainty, Samsung engaged in an all-out effort to drum up support. In the days leading up to the vote, Samsung C&T took out television and front-page newspaper ads asking shareholders to vote for the takeover.

Some of its last-ditch actions raised eyebrows. It mobilized employees to visit the workplaces and homes of shareholders with mango juice and watermelon. Some shareholders complained Samsung had shared their private information with Samsung employees.

Matters took an ugly turn when business publications used anti-Semitic smears to attack Elliott and its founder Paul Singer. Samsung C&T on Wednesday removed cartoons it had posted online that depicted Singer as a ravenous big-beaked vulture.

Few bought Samsung's argument that the takeover would create business benefits. The deal was instead seen as crucial for the once-in-a-generation leadership transition underway at Samsung, which has accelerated since patriarch Lee Kun-hee, 73, was hospitalized after suffering a heart attack in May last year.

His son Lee Jae-yong does not have a major shareholding in Samsung Electronics Co., the crown jewel in the Samsung empire. Inheriting his father's shares in Samsung Electronics or his stakes in other key Samsung firms that have stakes in the consumer electronics giant would incur heavy inheritance taxes that could exceed $5 billion.

But Lee, 47, is a major shareholder in Cheil thanks to shares he was effectively gifted before the company went public. With Cheil's takeover of Samsung C&T, Lee will control its 4.1 percent stake in Samsung Electronics that would cost him about $6 billion if he had to buy the shares from other shareholders.

UBER VS. DE BLASIO IN FIGHT OVER ACCESS TO NYC STREETS

A dispute is simmering between the ride-booking service Uber and Mayor Bill de Blaiso's City Hall, an increasingly pitched disagreement playing out on smartphones, over the airwaves and in the press over a fundamental question Who controls access to the streets of the nation's largest city

By the day, more and more Uber cars have taken to Manhattan's streets, summoned by smartphone apps to pick up passengers who enjoy their convenience and consent to pay additional surge pricing during peak hours.

The de Blasio administration is attempting to put the brakes on the robust expansion, saying that the flood of new cars could further ensnarl Manhattan's clogged streets and arguing that the Uber system isn't equitable for drivers and residents. Uber, however, accuses the mayor of being in the back pocket of the yellow taxi industry, attempting to stifle free enterprise and innovation while hurting the low-income neighborhoods that make up the core of his political support.

A pivotal moment in the feud could come as early as next week, as the City Council considers legislation that would put a cap on Uber's growth.

We cannot afford to have unlimited, unregulated growth of Uber, said First Deputy Mayor Tony Shorris. We have real concerns about congestion.

We are already seeing traffic speeds in Manhattan falling, said Shorris. That is already having an impact on the city's economy, on air quality and potentially an impact on public safety. And at least one reason why that might be true is the enormous growth of Uber.

The company has spread across the globe and become wildly successful, worth an estimated $40 billion, while dispatching 25,000 cars on New York's streets, as opposed to 13,000 yellow taxis. It's also become a political flashpoint, as Republican presidential candidates hail it as a model of the free market while some Democrats - including de Blasio - have expressed reservations.

San Francisco-based Uber has howled at the de Blasio administration's attempts to slow its growth. Its leaders, including chief adviser David Plouffe, met with Shorris on Monday but, after the meeting failed to yield a resolution, the company sharpened its attacks.

It debuted a de Blasio mode on its app that projects increased wait time if a cap is instituted. And on Friday, it aired a TV commercial that claimed the cap would hardest hit minorities in outer-borough neighborhoods who sometimes have trouble getting yellow taxis.

Mayor de Blasio's plan to stop Uber will cost 10,000 jobs, hurt undeserved areas and make wait times for Uber cars skyrocket, Plouffe said this week. It's not progressive and not right.

Uber claimed that City Hall is acting under pressure from yellow cab operators who are


UBER
UBER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69%
UBER
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166-168 East 75th Street
Manhattan
Park Ave
Upper West Side
Carnegie Hill
9 MIN
SET ITEM PICKUP LOCATION
Upper East Side
1st Avenue
2nd Ave
Main St
21st St
44th Dr
RUSH

worried about falling taxi medallion values - and who are significant donors to de Blasio and some council members.

The administration scoffed at the idea, noting that Uber has sparked unrest and litigation in London, Paris and California. Shorris also noted that Uber cars are not as accessible to disabled riders as yellow taxis and do not have a surcharge that helps fund the region's transit network.

I don't think we need to take any lectures about concern from people in the outer boroughs from this $40 billion California-based company and its lobbyists, Shorris said.

The City Council plan, which has the administration's support, proposes limiting Uber's growth for a year while a study is conducting the impact the service has on the city's traffic. Uber, which opposes all limits to its growth, is against the measure.

A vote on the legislation in the City Council could happen as early as next week.

STRONG iPHONE SALES; APPLE STOCK DOWN WITH FEW WATCH DETAILS

Apple's stock slid sharply on Tuesday after the company reported strong iPhone sales but remained coy about the performance of its new smartwatch.

While not releasing specific figures for the Apple Watch, Apple reported total results for several products, including the watch, that suggest sales were lower than many Wall Street analysts expected. The company also issued a revenue forecast for the current quarter that suggested sales could fall below analysts' prior estimates.

Apple's latest financial report shows the iPhone is still the key engine of the company's success. The California tech giant said it sold more than 47.5 million iPhones during the three months ending in June, or 35 percent more than a year ago.

But top executives stood by their decision not to disclose results for the Apple Watch, saying the information could be used by competitors.

Many analysts and investors see the watch as an important indicator of the company's ability to produce successful new products.

In one tantalizing clue, Apple reported $2.6 billion in revenue from the segment that includes the watch and several other products, or about $952 million more than the previous quarter, when the watch had not yet gone on sale. That's significantly less than the $1.8 billion in watch sales that analysts surveyed by FactSet were expecting.

Apple's stock fell nearly 6 percent in late trading, indicating investors weren't satisfied with the report. Apple also forecast that revenue for the quarter ending in September will fall between $49 billion and $51 billion, indicating total sales could fall below Wall Street estimates of $50.8 billion.

Chief Financial Officer Luca Maestri told The Associated Press that revenue from the watch amounted to "well over" that $952 million increase. He said the category also includes revenue from iPods and accessories, whose sales fell in the quarter.

"We beat our internal expectations" for the watch, Maestri said, adding that the number of watches sold in the first nine weeks was greater than the number of iPhones or iPads that the company sold in a comparable period after those products launched.

Apple has previously said it sold 1 million iPhones in the first 74 days, or more than 10 weeks, after sales began in 2007. Apple has said it sold 2 million iPads in the first 60 days, with iPad sales hitting 3 million in 80 days after the iPad was launched in 2010.

For the latest quarter, Apple said revenue from all sources grew 33 percent from last year to $49.6 billion in the April-June quarter, with the iPhone contributing $31.4 billion in sales. Net income climbed nearly 38 percent


Music
iPhone


iPhone

to $10.7 billion, while earnings amounted to $1.85 per share. That beat the estimates of Wall Street analysts surveyed by FactSet, who were expecting Apple to report earnings of $1.81 per share on sales of $49.25 billion.

The iPhone's performance was especially notable because it's been nine months since Apple introduced its latest iPhone 6 and 6 Plus models. Consumer demand for new models usually wanes as time passes, but Apple's sales are continuing to grow faster than they did in a comparable period after the iPhone 5 went on the market in 2012.

Apple got a big boost from new markets like China, which contributed more than a quarter of the company's revenue, or $13.2 billion. China sales more than doubled from a year ago. Analysts say the company is also benefiting from its decision to offer bigger screens with the iPhone 6 and 6 Plus, which is helping to lure consumers away from competing phone-makers who started selling bigger-screen devices a few years earlier.

Even so, Apple may have trouble sustaining its recent growth. In the coming months, it will face more difficult comparisons against the surge in sales that followed the iPhone 6 launch last September. But analysts say the company should benefit from the size of its user base: Hundreds of millions of people own older iPhones and are expected to buy new ones when their two-year wireless contracts come up for renewal.

Meanwhile, analysts and investors were eager to learn more about the Apple Watch, which went on sale in April. While not expected to be an important revenue source now, the watch has symbolic importance as the first new product category that Apple has launched since the 2011 death of founder and iconic CEO Steve Jobs.

"When you look at the next big wave of innovation, in coming years, it's not going to come from smartphones," said analyst Angelo

Zino of S&P Capital Markets, who said phones are already becoming “commodity” items, even with Apple dominating the high end of that market. “So a lot of people want to see if Apple can roll out a new product that’s very successful and innovative.”

While Apple executives say demand for the watch has been strong, the absence of official numbers has left analysts to offer estimates ranging from rosy to lackluster. Maestri acknowledged that Apple has released detailed sales figures for other products, but he said the company wanted “to be careful” with information about the watch, to avoid tipping competitors as Apple learns more about consumer demand for a new product.

“We know that, for us to be successful, we need to innovate all the time,” he added. “But when

you look at what we've launched in the last 12 months, I think you can conclude that we're in great shape from innovation standpoint."

Besides the Apple Watch, Apple launched its Apple Pay electronic payments service last fall and a streaming music service this month.

The FactSet survey found Wall Street analysts expected, on average, sales of 4 million watches in the quarter that ended in June. Bernstein Research analyst Toni Sacconaghi estimated in a report last week that Apple would sell 3 million watches, at an average price of $550, producing about $1.65 billion in revenue.

The watch is "an important gauge of Apple's ability to launch a new product under the leadership of Tim Cook," Sacconaghi wrote.


Goog

GOOGLE SHAREHOLDERS REVEL IN RECORD 1-DAY WINDFALL OF $65.1B

Google's stock roared out of a long slumber Friday to produce the biggest shareholder windfall in U.S. history as investors rewarded the Internet company for promising to curb its spending on risky projects.

A 16 percent surge in Google's publicly traded stock translated into an additional $65.1 billion in shareholder wealth, on paper at least.

That barely topped the previous record one-day gain of $65 billion by Cisco Systems Inc. in April 2000 after the computer networking equipment maker had suffered a steep drop in the previous week, according to S&P Dow Jones Indices. More recently, iPhone maker Apple Inc. posted a $46.4 billion one-day gain in April 2012 after its quarterly earnings wowed Wall Street.

Google's gigantic run-up came after the Mountain View, California, company reported quarterly earnings that topped analyst estimates for the first time since late 2013. The company's inability to hit the targets that steer investors had raised doubts about Google that had caused its stock to lag the rest of the market since the end of 2013.

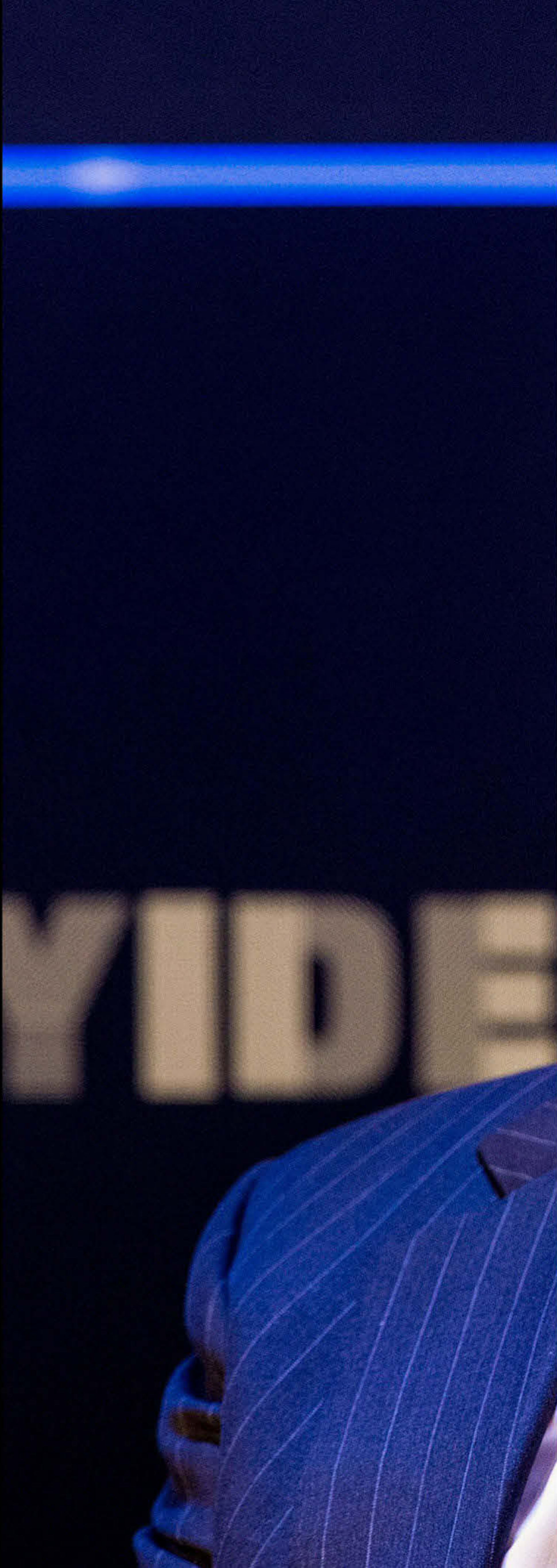
Investors were even more impressed with a message of newfound austerity delivered by Google's new chief financial officer, Ruth Porat. In prepared remarks and in responses to analyst questions posed in a late Thursday conference call, Porat repeatedly stressed that Google intends to control its costs more diligently.

The words placated investors who had become increasingly frustrated with Google's penchant for spending on projects that had little or nothing to do with its man business of Internet search and advertising - areas that the company has long dominated.

The expansion into more experimental areas, such as self-driving cars, Internet-beaming balloons, and Internet-connected eyewear, had been contributing to a pattern of Google's operating expenses increasing at a faster clip than its revenue growth.

Although Google has still been making plenty of money, many investors believed the company needed to clamp down on expenses. Google CEO Larry Page and fellow co-founder Sergey Brin, who wield voting control over the company, resisted the demands until having an apparent change of heart in March when they lured Porat away as CFO at investment bank Morgan Stanley to take the same job at Google.

Porat, known for astute budget management, didn't start working at Google until late May, but she has already quickly justified her pay package of roughly $70 million.



People are feeling pretty good about Google now, said S&P Capital IQ analyst Scott Kessler. People are saying, `Wow, look at what we are already seeing with Ruth there. Let's see what happens when she has time to make a really positive impact.'

Google's Class A shares gained $97.84 to close at $699.62 to leave the company with a market value of about $469 billion, according to S&P Dow Jones Indices. That's still a distant second among U.S. companies to Apple, whose market value stands about $747 billion. That's still as Google's Class C shares rose 16.1 percent to $672.93.

The biggest beneficiaries of Google's rousing rally were Page and Brin, whose already vast fortunes each climbed by more than $4 billion Friday. Google's 57,000 employees already also were feeling richer, too, because they all receive stock as part of their compensation packages.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14
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Calendar
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Camera
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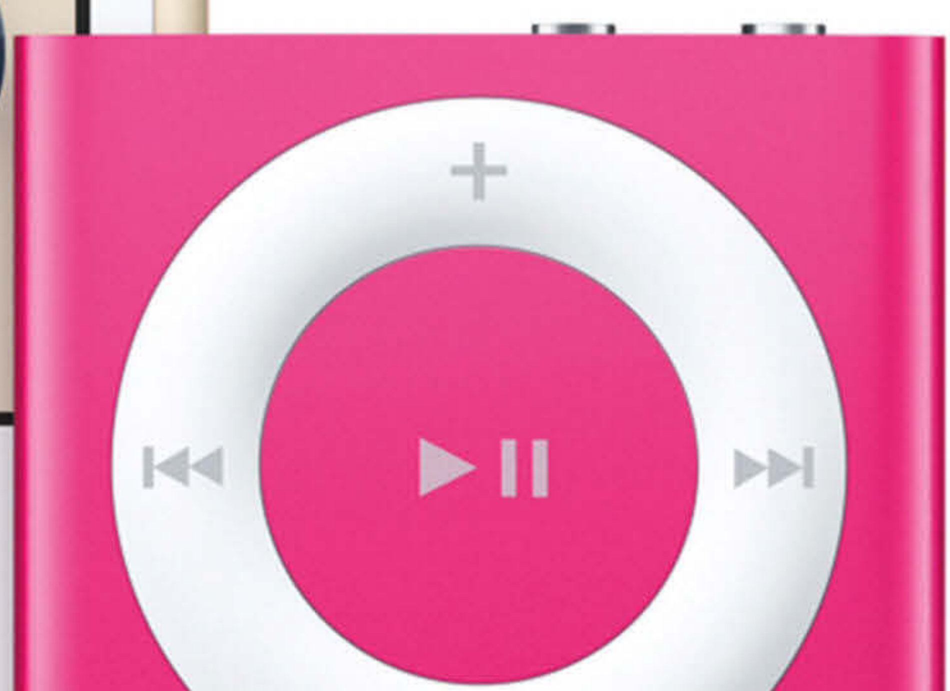
Maps
Videos
Notes
Reminders
Stocks
News
ART
TRAVEL
SPORTS
Newsstand
iTunes Store
App Store
Health
Passbook
Settings
Messages
Safari
Mail

With new versions just unveiled, what does the future hold for the iPod?

Apple has just brought out new iPod models




iPod
PERFECT
iPod

Few people seemed capable of forecasting it at the time, but when, on October 23, 2001, in a rented auditorium near its Cupertino campus, Apple showed off an all-new MP3 player called the iPod, it was on the verge of overseeing revolutionary change in the music market. Still, even the biggest breakers of ground can fade in significance as time progresses - and, with its introduction of the streaming service Apple Music, the iPod's creator might just have hammered one of the largest nails in the iPod's coffin. But is the iPod's future really quite that clear?

RATHER QUIET BEGINNINGS FOR A REVOLUTIONARY MUSIC PLAYER

It's a common story for a new tech product to be unveiled amid a wave of hype among the media, who enthuse about the product's supposedly amazing capabilities and how these are going to fundamentally alter the way that we live our lives. However, the product in question will almost never meet the success that had been predicted for it, leaving the same media that had initially sang its praises to sheepishly file it in the 'failed tech products' drawer.

However, Apple has a history of confounding skeptics. The very first version of the iPod, which came with a 5 GB hard drive, ARM processor and large high resolution display, noticeably departed from the then familiar style of MP3 players with its scroll wheel, which could be used to navigate through tracks much more speedily than was possible with the comparatively cumbersome


iPod
9:41 AM
Tame Impala
Let It Happen
Currents
iPod
iPod

skip buttons that were standard on many competing devices.

This scroll wheel function was crucial because, unlike such devices, the iPod could allow you to have, as the marketing slogan at launch put it, "a thousand songs in your pocket". Many of us could now easily carry around nearly a hundred albums' worth of songs to the shop, our friends' houses, the bus or train, the library... basically, anywhere where it was practical for us to listen to an MP3 player. This was a product that genuinely did fundamentally alter the way that we lived our lives.

However, **even the unique features did little to win over many members of the public and press upon the device's introduction**. Many took issue with its high price and lack of Windows compatibility. Apple later addressed both of these issues with later iPods, but the player's true significance would not be widely realized until years after its introduction. Today, the iPod line comprises of the Touch, Nano and Shuffle, **all of which were refreshed by Apple earlier this month**. This could be seen as a sign that Apple remains fully behind the iPod as a current Apple device, but closer inspection of the facts muddies the waters.

IS A POST-iPOD WORLD ABOUT TO EMERGE?

The freshly-revealed sixth generation iPod Touch brings a number of significant enhancements to a product line that had not been updated since 2012. These enhancements include an A8 processor and an 8-megapixel camera, bringing it closer in specs to the latest iPhones. This update hardly seems typical of a company preparing to completely abandon the iPod. However, we did have to wait three years for it, a long time in the world of technology, while the new Nano and Shuffle devices have had only the addition of new colors. So, could it be that, **as previously suggested by AppleMagazine**, Apple is still readying itself for a post-iPod era?

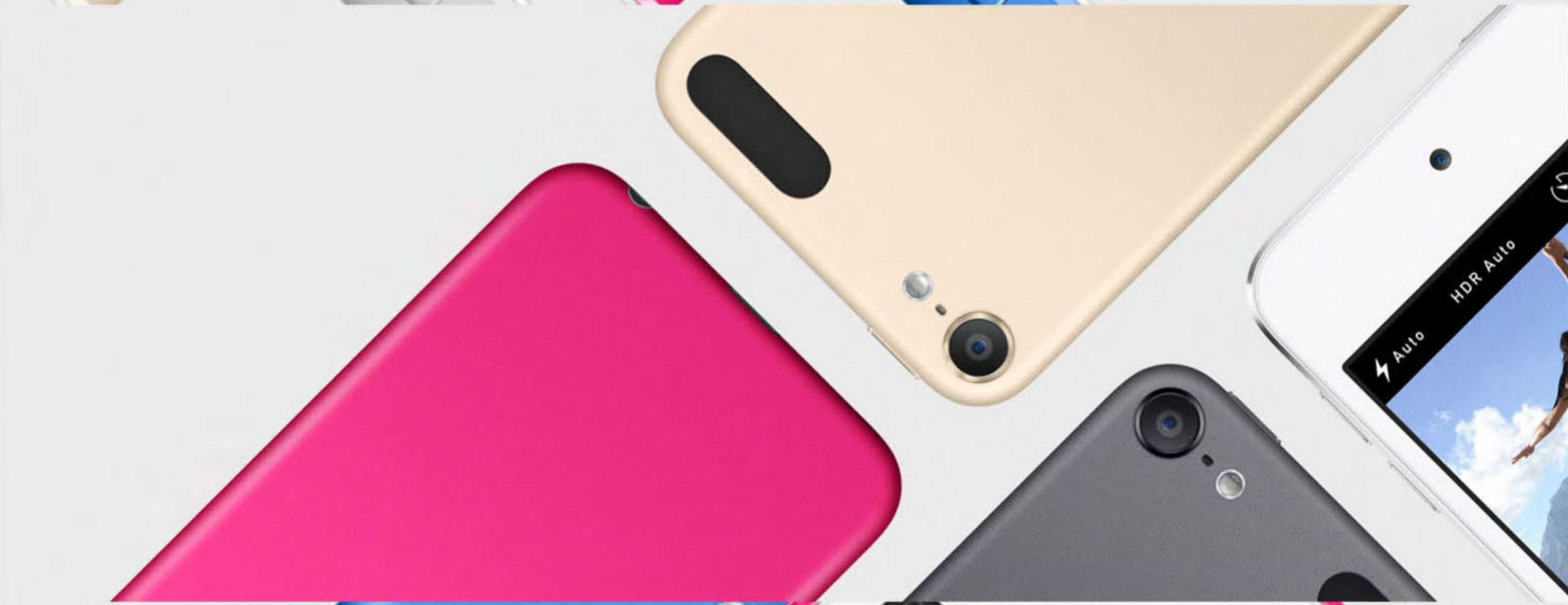
One concrete indication that the iPod is falling down the Cupertino company's priority list is the removal of the dedicated tab labeled 'iPod' on Apple's website, with its place now taken by a tab focused on Apple Music. This change could come to seem remarkably prescient - as, even if the company has no present plans to cease iPod production, should Apple Music seriously blossom in popularity, **as we at AppleMagazine have**

already judged likely, the iPod could be inadvertently pushed even further down that priority list - until, eventually, finally... it completely falls off it.

THE POTENTIAL INFLUENCE OF APPLE MUSIC AND THE APPLE WATCH

The future of music, so we are often told, is in streaming. Apple has acknowledged this with its launch of Apple Music, despite having had great success in the past selling music rather than putting it out for rental. Apple Music is also frequently cited by those who continue to predict the ringing of the iPod's death knell. The streaming service, **as has recently been discovered**, will not be available on the iPod Shuffle and Nano. This is obviously due to these devices' absence of WiFi capabilities, but even offline listening to Apple Music songs on the Shuffle and Nano will be barred in an attempt to prevent piracy.

Intriguingly, Macworld contributor Michael Simon had recently suggested that Apple Music could assist in restoring the iPod's popularity, claiming that **"Apple Music is tailor made for the iPods of yore"**. He then unleashed a stream of exciting ideas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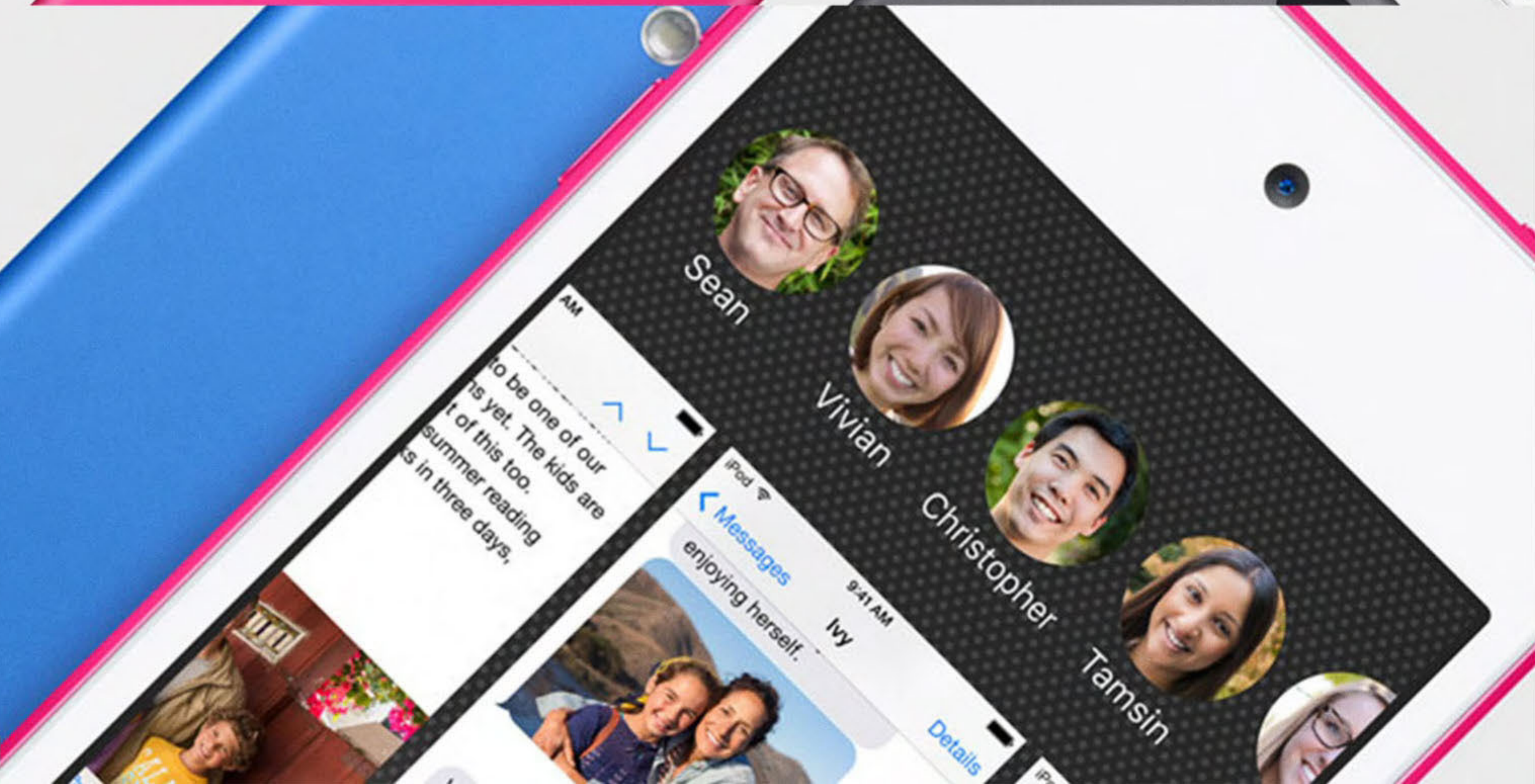
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for how elements of Apple Music could be effectively tooled with the iPod. This was all before the news that the new Shuffle and Nano models would not be compatible with Apple Music; however, it shouldn't be ruled out that future versions of these iPods could come with modifications that enable this compatibility while continuing to account for privacy concerns.

Whereas the jury is apparently still out on whether Apple Music will pose a serious threat to the iPod, another supposed threat that can be dismissed with greater confidence is the Apple Watch. Admittedly, the wearable has not been on the market in enough countries for sufficiently long for its ultimate success to be judged yet. However, judging from much-publicized Google search trends starting at the time of the announcement of the Apple Watch last September, **the wearable has often attracted less interest than the iPod even long before the new iPods had been unveiled**.

PREPARE FOR A DIFFERENT iPOD WORLD, NOT A POST-iPOD WORLD

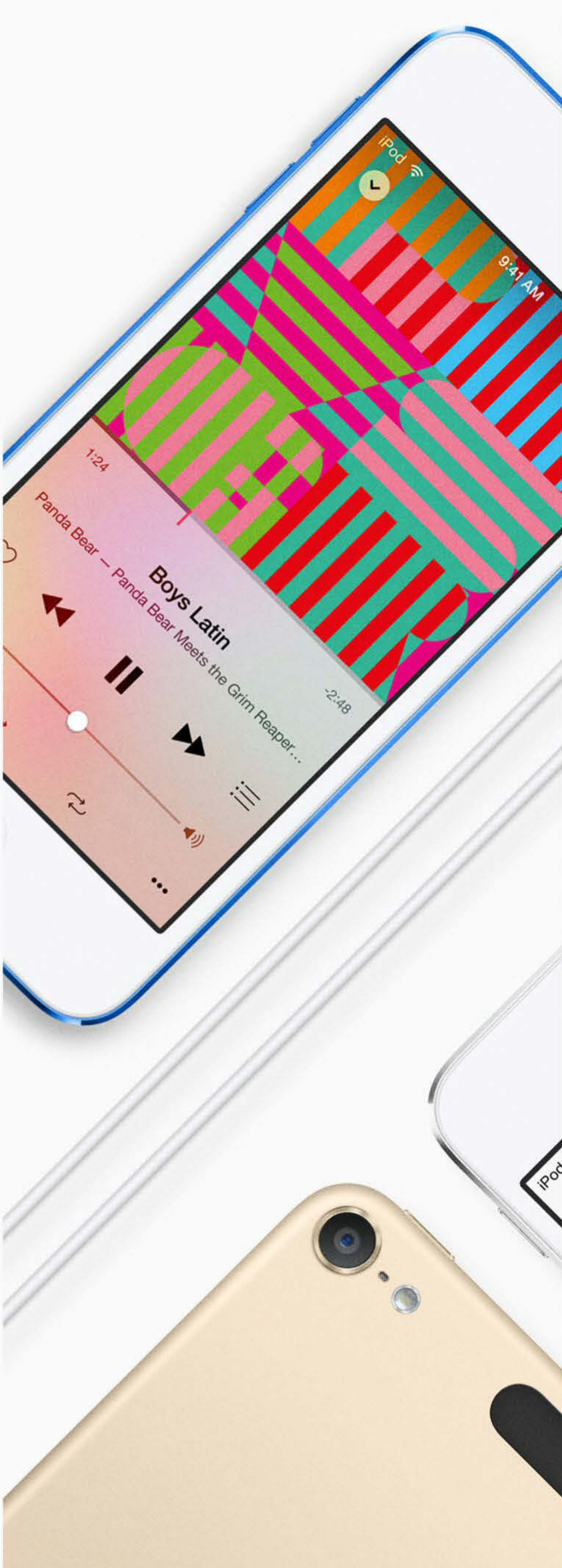
Furthermore, it could be argued that the more gradual updates to the iPod in recent years should not be considered any big indication that Apple is slowly winding down iPod production. In a recent opinion piece for 9to5Mac, Ben Lovejoy has argued that, due to the few updates for iPod lines since 2012, the device's visual demotion on Apple's website, and its maker's recent decision to stop reporting iPod sales, **"continuing to**

maintain the iPod as a current product" is out of the question, as we "are already some way down the legacy product path."

We would counter, though, that it shouldn't strictly be assumed that Apple will abandon the iPod simply because it lacks the profile that it once did. Whereas the iPhone and iPad are sufficiently sophisticated gadgets to warrant annual releases of new versions amid huge press attention, iPods have long been put to more unassuming uses and, due to their relative simplicity, now call for meaningful updates only every few years, rather than every year. Another major factor that Lovejoy appears to overlook are the low prices of iPods. Indeed, these prices help to maintain the popularity of iPods among more casual Apple followers.

More hardened Apple fans might be excited about poring over the wealth of new features in the latest iPhone or Apple Watch, but there remain enough other people who simply don't want or need to spend hundreds of dollars on such advanced devices. And these people are the least likely to be tempted by Apple Music, the unique features and versatility of which are best suited for hardcore music fans eager to hear a quick succession of hundreds of different artists, rather than the kind of people who only seek to occasionally listen to their top favorite album for a few minutes as they cycle to work. iPod, the rumors of your death have been greatly exaggerated. ■

by Benjamin Kerry & Gavin Lenaghan




iPod
9:41 AM
Above&Beyond
We Are All We Need
1:27
We're All We Need (feat. Zoë Johnston)
Above & Beyond — We Are All We Need
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9:41 AM
Radio
Worldwide. Always on.
LISTEN NOW
Music, interviews, and shows from the biggest talent, broadcasting live.
RECENTLY PLAYED >
Radio
Connect
My Music
iPod
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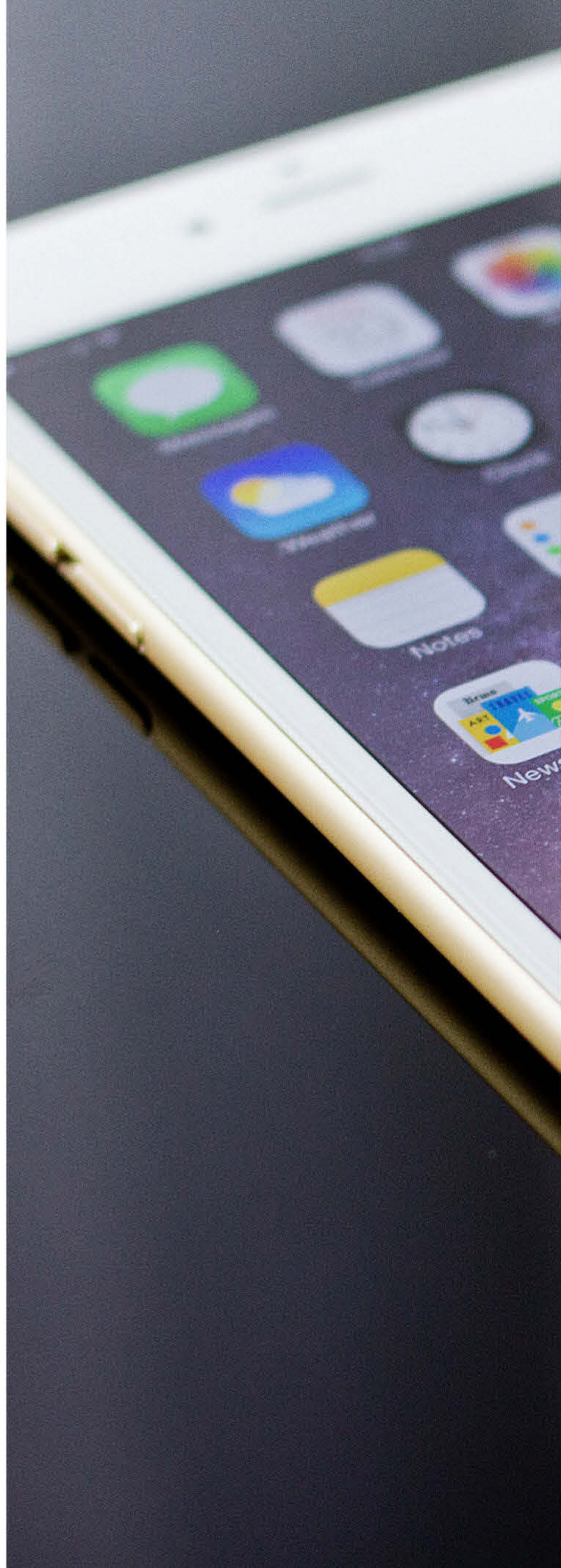
APPLE HAS CASH COW IN iPHONE EVEN AS PHONE INDUSTRY SLOWS



Smartphone sales may be slowing for some tech companies, but not for Apple.

Analysts expect another powerhouse performance from the California tech giant when it reports quarterly financial results Tuesday. Apple's signature iPhones remain popular, even as other smartphone makers are seeing demand slow down.

Wall Street analysts estimate Apple will report a hefty $10.3 billion in profit after selling $49 billion worth of iPhones, iPads, Mac computers and other products during the April-June quarter. That's an increase of more than 30 percent in both revenue and profit from the same period a year earlier.

Apple has said it won't release sales figures for the new Apple Watch, though some analysts believe demand has fallen since Apple introduced the wearable gadget three months ago. But it almost doesn't matter: As in other recent quarters, Apple will reap its biggest rewards from its smartphones, especially the new, big-screen iPhone 6 and 6 Plus models introduced last fall. Here's why:

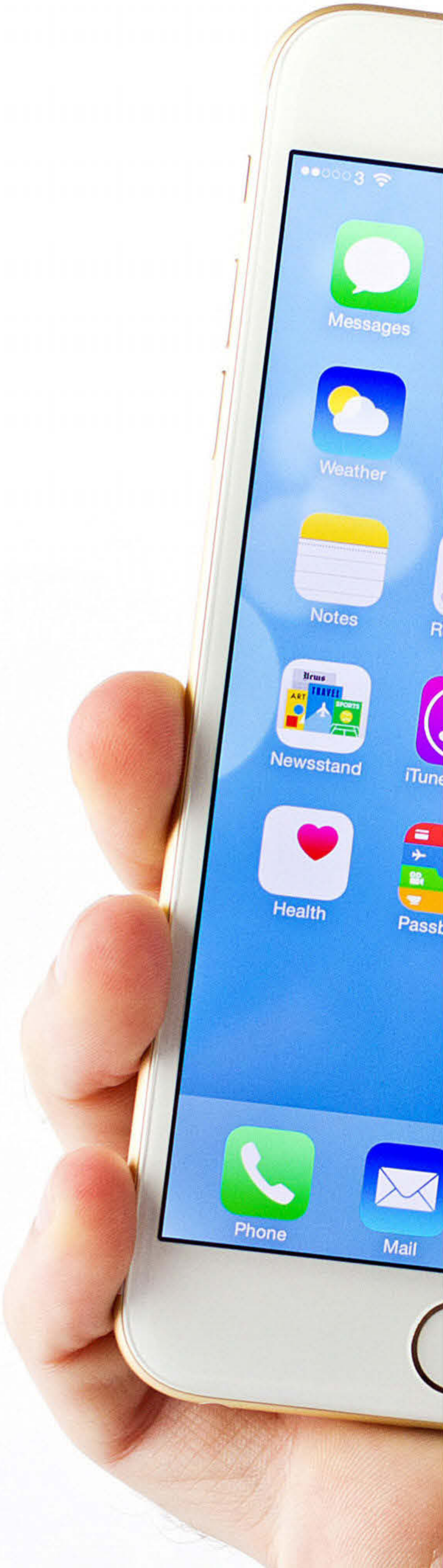

iTunes Store
App Store
Settings
Passbook
Health
Music

BIGGER SCREENS ARE POPULAR:

People use smartphones for social networking, playing games, looking at pictures - far more than they use them to make calls. And for those activities, many users prefer a bigger screen.

Several analysts say their studies confirm Apple CEO Tim Cook's claim that many recent iPhone buyers are people who switched from Android phones. Some consumers were drawn to Android devices in recent years because they had bigger screens, but Apple's decision to increase the iPhone's screen size is persuading Android owners to defect, said Ryan Reith, who tracks smartphone sales for the research firm IDC.

Apple likely sold about 47 million iPhones during the most recent quarter, or 34 percent more than a year earlier, according to analysts polled by FactSet.




12:24
Friday
19
Calendar
Photos
Camera
Clock
Maps
Videos
Stocks
Game Center
App Store
iBooks
Settings
Safari
Music

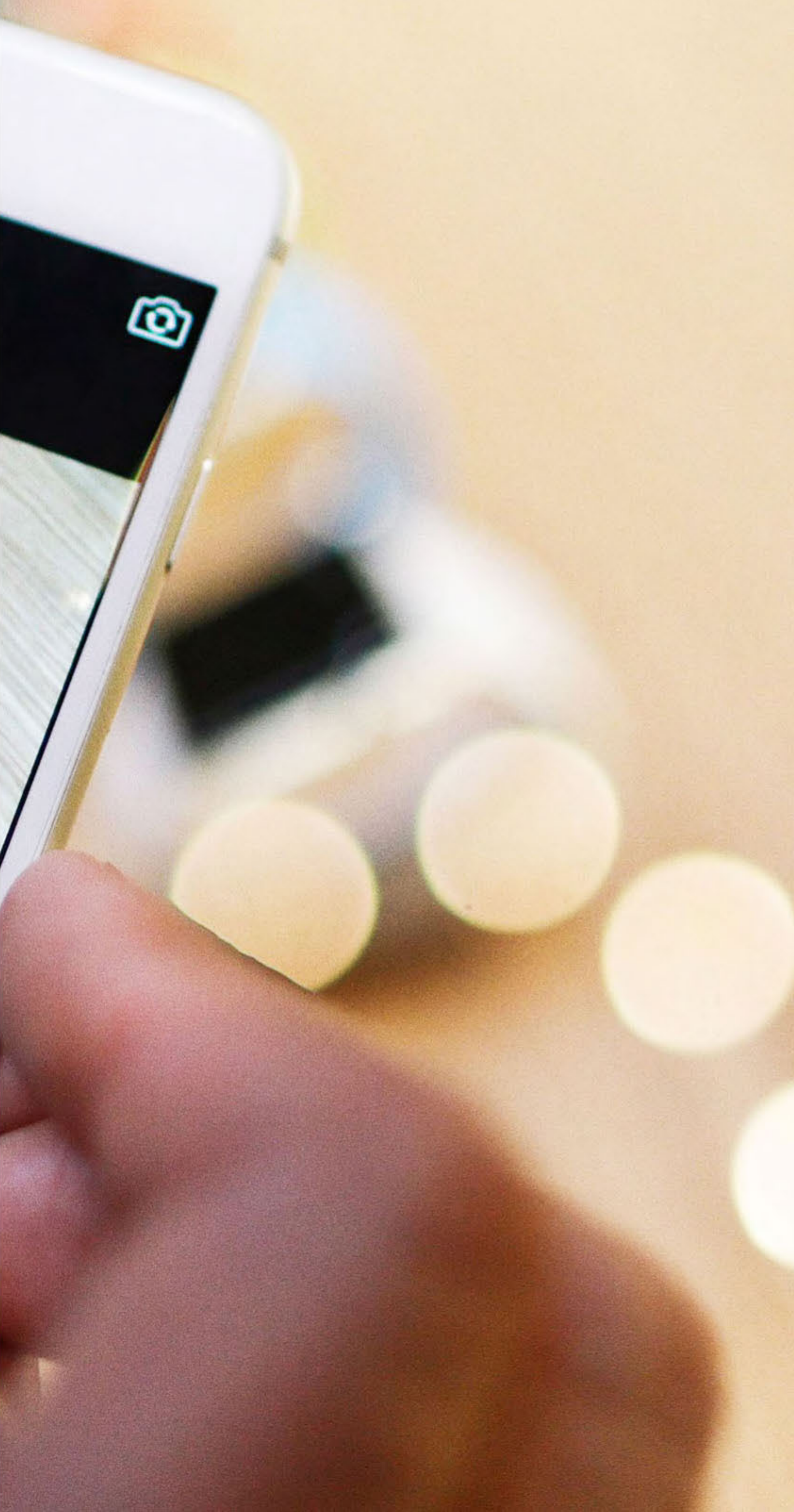
iPHONES ARE HUGELY PROFITABLE:

At an average selling price of more than $600, before carrier subsidies, Apple's phones are more expensive than many competing Android models, but they also provide more profit.

While Apple doesn't break out the numbers, Canaccord Genuity analyst Michael Walkley estimates that during the first three months of 2015, Apple reaped 92 percent of the $16.6 billion in operating profit generated from smartphones by companies around the world.

Samsung sold more phones than Apple during that period, but many of them were lower-priced models, giving Samsung only about 15 percent of the industry's operating profits, according to Walkley. He estimates other companies operated their smartphone business at a loss or broke even.


HDR Auto
VIDEO
PHOTO
SQUARE
PANO



APPLE'S RIVALS FACE CHALLENGES:

Apple sold about 18.2 percent of all the smartphones worldwide in the first quarter of 2015, while Samsung had 24.5 percent of the market, according to IDC. But Samsung has said it expects a drop in profit for the April-June quarter, apparently because sales of its new Galaxy S6 models fell short of expectations.

HTC has also lowered its revenue forecast for the quarter, as it blamed weak sales in China and lower demand for high-end Android phones. Microsoft, meanwhile, is cutting 7,600 jobs and writing down the value of its Nokia phone division by $7.6 billion, essentially acknowledging that its effort to build a business selling Windows smartphones had failed. Microsoft also reports earnings Tuesday.

Although each company has its own issues, experts say smartphone sales are slowing in many developed countries because most people already own one. IDC is forecasting an 11 percent increase in global smartphone sales this year, but that's down from 28 percent in 2014.

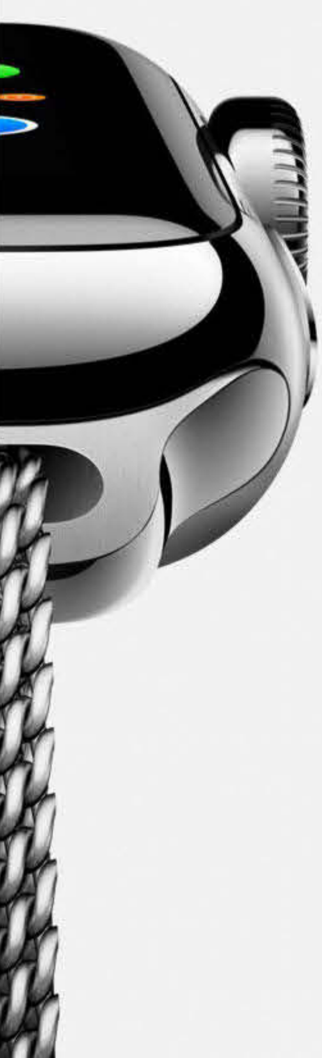
Phone makers using Google's Android operating system will see even slower growth of about 8.5 percent. But IDC predicts iPhone sales will grow by 23 percent this year.

DEMAND FOR APPLE WATCH ISN'T CLEAR

Most experts say iPhone sales will get another bump when Apple releases new models this fall. Analysts say a majority of iPhone owners are still using older models, such as the iPhone 4 or 5. As a result, they say, those users are likely to buy new iPhones when their two-year wireless contracts expire.

The picture isn't quite as rosy for some other Apple products. Sales of the once-vaunted iPad tablet computer have been declining for several quarters. And while the company says demand for the Apple Watch is strong, analysts have produced estimates that range from bullish to lackluster.

Though Apple has often trumpeted sales results for new products, Cook has said he doesn't want to reveal Apple Watch figures for competitive reasons. Instead, Apple will lump revenue from the watch into its "Other Products" category, which includes the iPod media player, Apple TV streaming device and Beats headphones.



TOP Free Apps

iOS

#01 – Agar.io
By Miniclip.com
Category: Games
Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.
This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.

#02 – Facebook Messenger
By Facebook, Inc.
Category: Social Networking
Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.
This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.

#03 – Facebook
By Facebook, Inc.
Category: Social Networking
Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.
This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.

#04 – Instagram
By Instagram, Inc.
Category: Photo & Video
Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.
This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.

#05 – YouTube
By Google, Inc.
Category: Photo & Video
Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.
This app is optimized for iPhone 5.

#06 – Snapchat
By Snapchat, Inc.
Category: Photo & Video
Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch.
This app is optimized for iPhone 5.

#07 – SongPop 2
By FreshPlanet Inc.
Category: Games
Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.
This app is optimized for iPhone 5.

#08 – Layout from Instagram
By Instagram, Inc.
Category: Photo & Video
Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.
This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.

#09 – Netflix
By Netflix, Inc.
Category: Entertainment
Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.
This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.

#10 – Google Maps
By Google, Inc.
Category: Navigation
Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.
This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.

TOP Free Apps

Mac OS X

#01 – OS X Yosemite
By Apple
Category: Utilities
Compatibility: OS X 10.6.8 or later

#02 – App for Instagram
By Joacim Ståhl
Category: Social Networking
Compatibility: OS X 10.7 or later, 64-bit processor

#03 – Dr. Cleaner
By Trend Micro
Category: Utilities
Compatibility: OS X 10.9 or later, 64-bit processor

#04 – Xcode
By Apple
Category: Developer Tools
Compatibility: OS X 10.8.4 or later

#05 – Microsoft Remote Desktop
By Microsoft Corporation
Category: Business
Compatibility: OS X 10.7 or later, 64-bit processor

#06 – The Unarchiver
By Dag Agren
Category: Utilities
Compatibility: OS X 10.6.0 or later

#07 – Kindle
By AMZN Mobile LLC
Category: Reference
Compatibility: OS X 10.6 or later

#08 – Microsoft OneNote
By Microsoft Corporation
Category: Productivity
Compatibility: OS X 10.9 or later

#09 – Slack
By Slack Technologies, Inc.
Category: Business
Compatibility: OS X 10.6 or later, 64-bit processor

#10 – ooVoo Video Call, Text and Voice
By ooVoo LLC
Category: Social Networking
Compatibility: OS X 10.7 or later, 64-bit processor

TOP Paid Apps

iOS

#01 – Minecraft – Pocket Edition
By Mojang
Category: Games / Price: $6.99
Requires iOS 5.1.1 or later. Compatible with iPhone, iPad, and iPod touch. This app is optimized for iPhone 5.

#02 – Goat Simulator
By Coffee Stain Studios
Category: Games / Price: $0.99
Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch. This app is optimized for iPhone 5.

#03 – The Amazing Spider-Man 2
By Gameloft
Category: Games / Price: $0.99
Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch. This app is optimized for iPhone 5.

#04 – Heads Up!
By Warner Bros.
Category: Games / Price: $0.99
Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch. This app is optimized for iPhone 5.

#05 – Facetune
By Lightricks Ltd.
Category: Photo & Video / Price: $3.99
Requires iOS 6.0 or later. Compatible with iPhone 4, iPhone 4S, iPhone 5, iPhone 5c, iPhone 5s, iPhone 6, iPhone 6 Plus, iPad, and iPod touch. This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.

#06 – Geometry Dash
By RobTop Games AB
Category: Games / Price: $1.99
Requires iOS 5.1.1 or later. Compatible with iPhone, iPad, and iPod touch. This app is optimized for iPhone 5.

#07 – Trivia Crack (Ad Free)
By Etermax
Category: Games / Price: $0.99
Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch. This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.

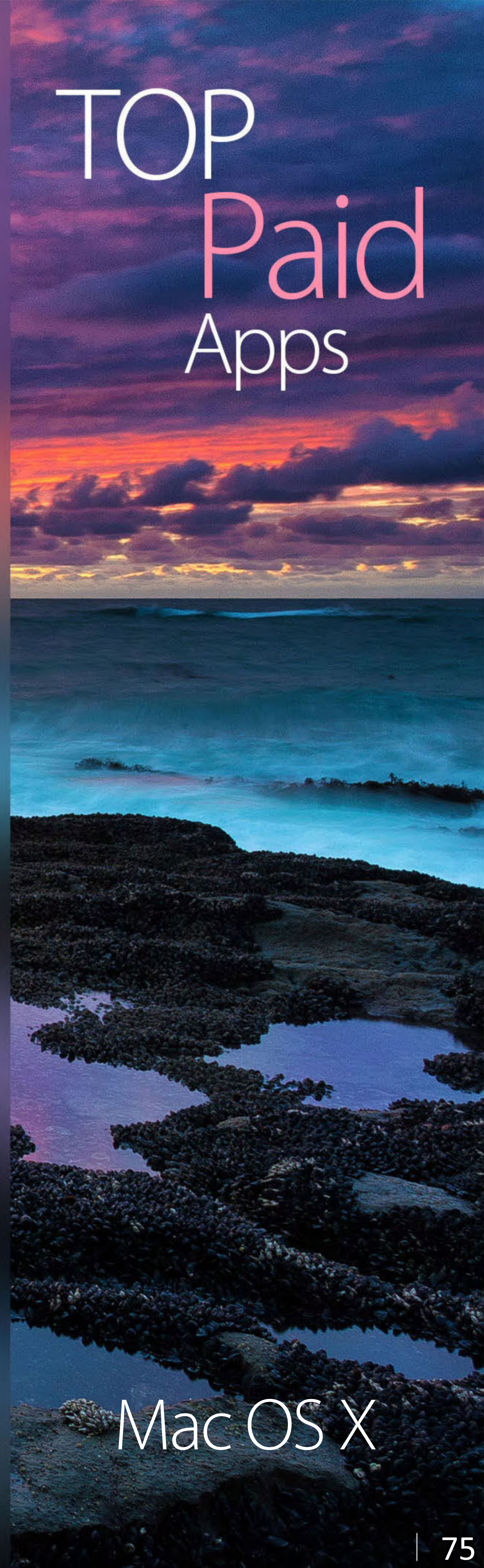
#08 – Akinator the Genie
By Elokence
Category: Entertainment / Price: $1.99
Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch. This app is optimized for iPhone 5.

#09 – Terraria
By 505 Games (US), Inc.
Category: Games / Price: $4.99
Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch. This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.

#10 – Ultimate Wolf Simulator
By Gluten Free Games
Category: Games / Price: $0.99
Requires iOS 6.0 or later. Compatible with iPhone, iPad, and iPod touch. This app is optimized for iPhone 5, iPhone 6, and iPhone 6 Plus.

TOP Paid Apps

Mac OS X



#01 – Affinity Photo
By Serif Labs
Category: Photography / Price: $39.99
Compatibility: OS X 10.7 or later, 64-bit processor

#02 – GarageBand
By Apple
Category: Music / Price: $4.99
Compatibility: OS X 10.9 or later

#03 – AntiVirus Sentinel Pro
By Calin Popescu
Category: Utilities / Price: $9.99
Compatibility: OS X 10.7 or later, 64-bit processor

#04 – Disk Doctor
By FIPLAB Ltd
Category: Utilities / Price: $2.99
Compatibility: OS X 10.7.3 or later, 64-bit processor

#05 – Duplicate Photos Fixer Pro
By Systweak Software
Category: Photography / Price: $0.99
Compatibility: OS X 10.7 or later

#06 – OS X Server
By Apple
Category: Utilities / Price: $19.99
Compatibility: OS X 10.9.5 or later

#07 – Final Cut Pro
By Apple
Category: Video / Price: $299.99
Compatibility: OS X 10.10.2 or later, 64-bit processor

#08 – Logic Pro X
By Apple
Category: Music / Price: $199.99
Compatibility: OS X 10.8.4 or later, 64-bit processor

#09 – Affinity Designer
By Serif Labs
Category: Graphics & Design / Price: $39.99
Compatibility: OS X 10.7 or later, 64-bit processor

#10 – FaceTime
By Apple
Category: Social Networking / Price: $0.99
Compatibility: OS X 10.6.6 or later

iTunes Review

Movies & TV Shows

Rotten **Tomatoes**

CERTIFIED FRESH 89%

iTunes Preview

by livier Assayas
Genre: Drama
Released: 2015
Price: $14.99

★★★★★
53 Ratings

Trailer

Clouds of Sils Maria

Now a global star, actress Maria Enders (Juliette Binoche) gets to take a role in a re-staging of a play that made her famous two decades ago. However, she will play not her old role of alluring young Sigrid, but instead that of the elder Helena. Enders rehearses accompanied by her assistant (Kristen Stewart) before becoming unsettled by the young starlet (Chloë Grace Moretz) lined up to play Sigrid.

FIVE FACTS:

1. Clouds of Sils Maria is written and directed by Olivier Assayas.

2. It was screened at the Cannes Film Festival, the Toronto International Film Festival and the New York Film Festival.

3. Accolades include a Louis Delluc Prize for Best Film and a César Award for Kristen Stewart.

4. Binoche has revealed that **she took a role in the 2014 blockbuster Godzilla to ensure that her character in Clouds of Sils Maria was more believable when mentioning acting in blockbusters**.

5. The French fashion house Chanel provided clothes, jewelry and makeup to the actresses and also contributed to the budget **to enable the movie to be shot on 35-mm film instead of digitally**.

See more in iTunes

Kristen Stewart Interviewed in Cannes

Lila & Eve

After her son's murder, grieving mother Lila (Viola Davis) meets Eve (Jennifer Lopez), whose daughter has died in tragic circumstances, at a support group. Lila is dissatisfied with how the police respond to the injustice surrounding her son's death, so Eve tells her that she should personally pursue the killers. Eve joins Lila in this mission, which involves no shortage of violence in a chase for justice.

iTunes Preview

by Charles Stone III
Genre: Thriller
Released: 2015
Price: $12.99

★★★★★
49 Ratings

FIVE FACTS:

1. The involvement of Lopez and Davis in this movie **was announced back in December 2013.**

2. At that early stage, the film was described as a cross between Thelma & Louise and Fight Club.

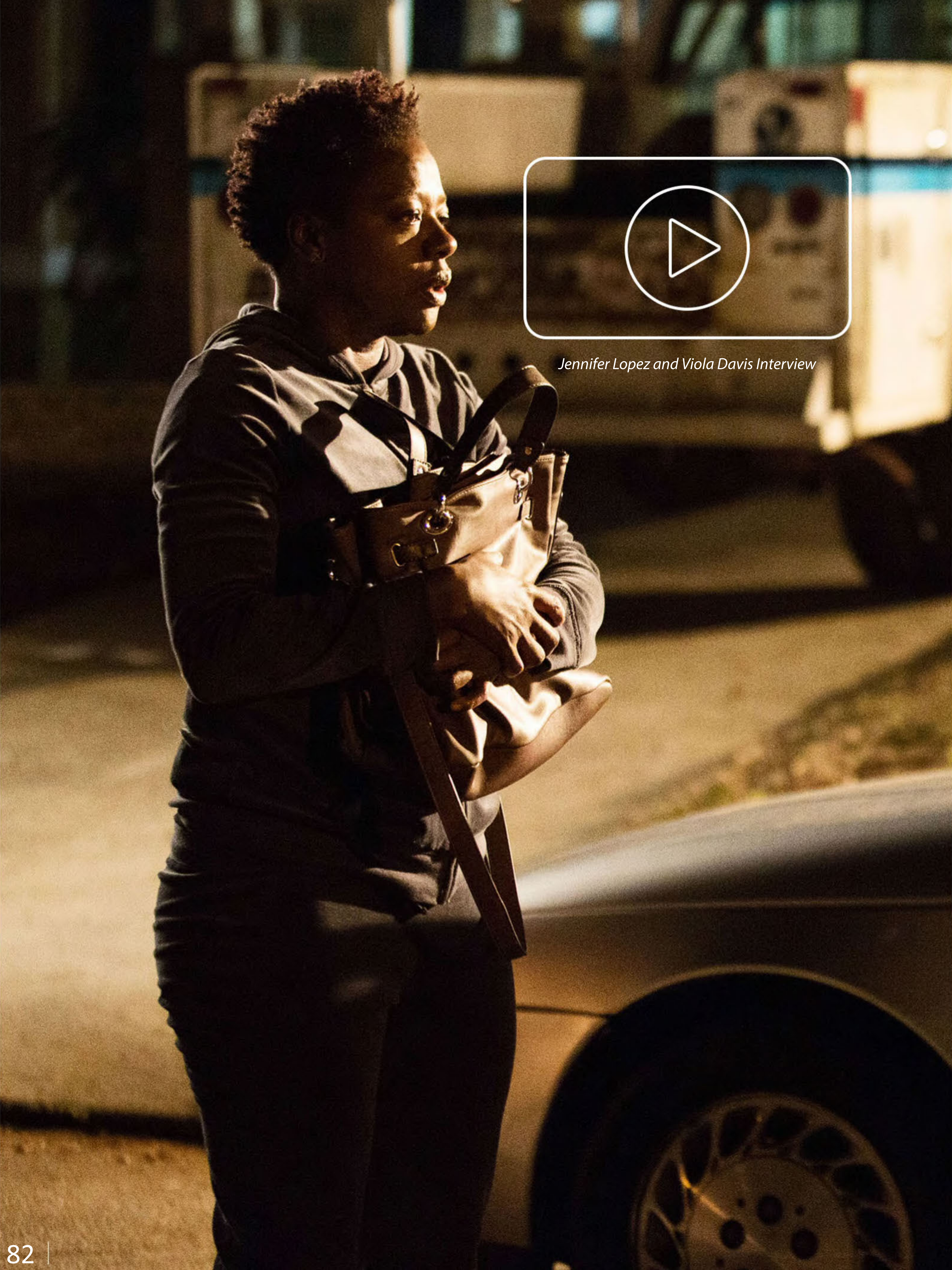
3. Lila & Eve **was released both in theaters and through on demand** on July 17, 2015.

4. The first choice to play Eve was Charlize Theron, but she turned it down, likely because she was already contracted to the similarly dark thriller Dark Places.

5. Lila & Eve is the first movie that Lopez and Davis have appeared in together **since 1998's Out of Sight**.

Rotten Tomatoes
CERTIFIED FRESH
43%

Trailer



Jennifer Lopez and Viola Davis Interview

iTunes

Review

Music

iTunes Preview

Genre: Soundtrack
Released: Jul 17, 2015
31 Songs
Price: $9.99

★★★★★
19 Ratings

Escape

Ant-Man (Original Motion Picture Soundtrack)

Various Artists

If you are one of the millions who have reacted warmly to the first major film starring surely the world's tiniest superhero, you can now also get no small - ha! - pleasure from listening to the soundtrack. Alongside an extensive score by Christophe Beck is included some classic songs, among them Roy Ayers' "Escape" and the Commodores' "I'm Ready".

FIVE FACTS:

1. The then director of the Ant-Man movie, Edgar Wright, **tweeted in February 2014 that the film would be scored by Steven Price**, who had recently composed for another big movie, Gravity.

2. However, Wright left the project in early 2014, **and Price followed**.

3. Christophe Beck, Price's replacement, has commented: "**What makes this score stand out among other Marvel movies** ... is a sneaky sense of fun since it is, after all, not only a superhero movie, but also a heist comedy."

4. Beck is a brother of the Canadian musician Chilly Gonzales, whose collaborators have included the popular French electronic outfit Daft Punk.

5. Roy Ayers' "Escape" was also on the soundtrack for Quentin Tarantino's Jackie Brown in 1997.

See more in iTunes

I'm Ready

Neon Future (feat. Luke Steele) [Remixes]

Steve Aoki

For American electro house musician Steve Aoki's second studio album Neon Future I released last year, Empire of the Sun's Australian frontman Luke Steele contributed vocals to the track "Neon Future". It was a match made in electronic music heaven, and now fans of both artists can hear a raft of remixes of the track.

FIVE FACTS:

1. Aoki set up his own record label, Dim Mak, **from his apartment at the University of California, Santa Barbara**.

2. Acts that Aoki has remixed include the Jackson 5, Kanye West, Eminem, Girls Generation, Lenny Kravitz, The Killers and Robin Thicke.

3. His second studio album Neon Future I is, in a sense, actually the first half of an album. It was released on September 30, 2014 and was followed by the release of Neon Future II on May 12, 2015.

4. The two Neon Future albums have different themes. **According to Aoki, the first album is more party-themed, while its follow-up is "darker" and more "emotional"**.

5. In a recently-released video for the song "Neon Future", **Aoki appears as a cyborg rebelling against his dystopian society's wealthy upper class led by Steele**.

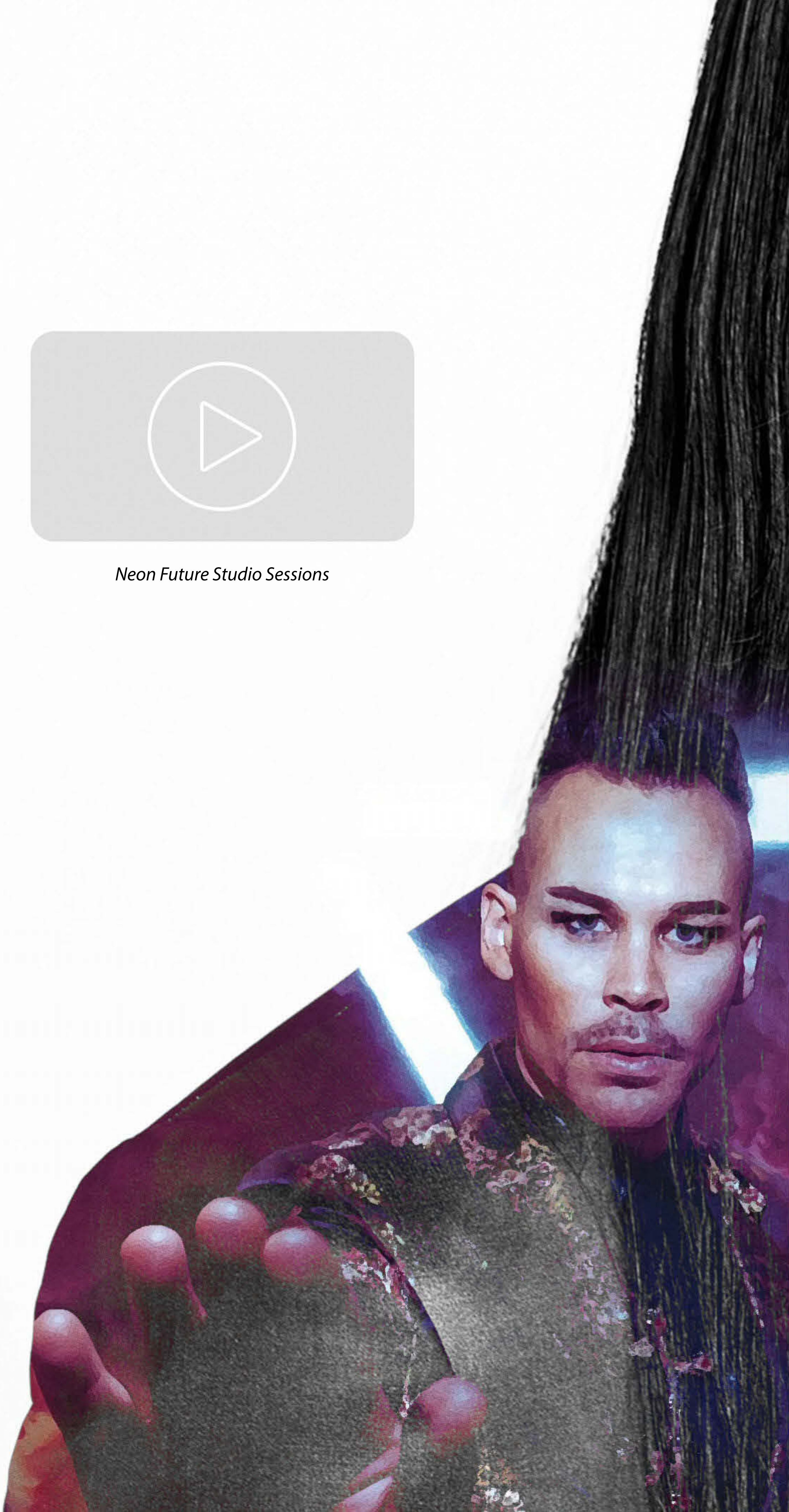
iTunes Preview

Genre: Dance/Electronica
Released: Jul 17, 2015
7 Songs
Price: $13.99

We have not received enough ratings to display an average for this album

Neon Future (Remix)

Neon Future Studio Sessions



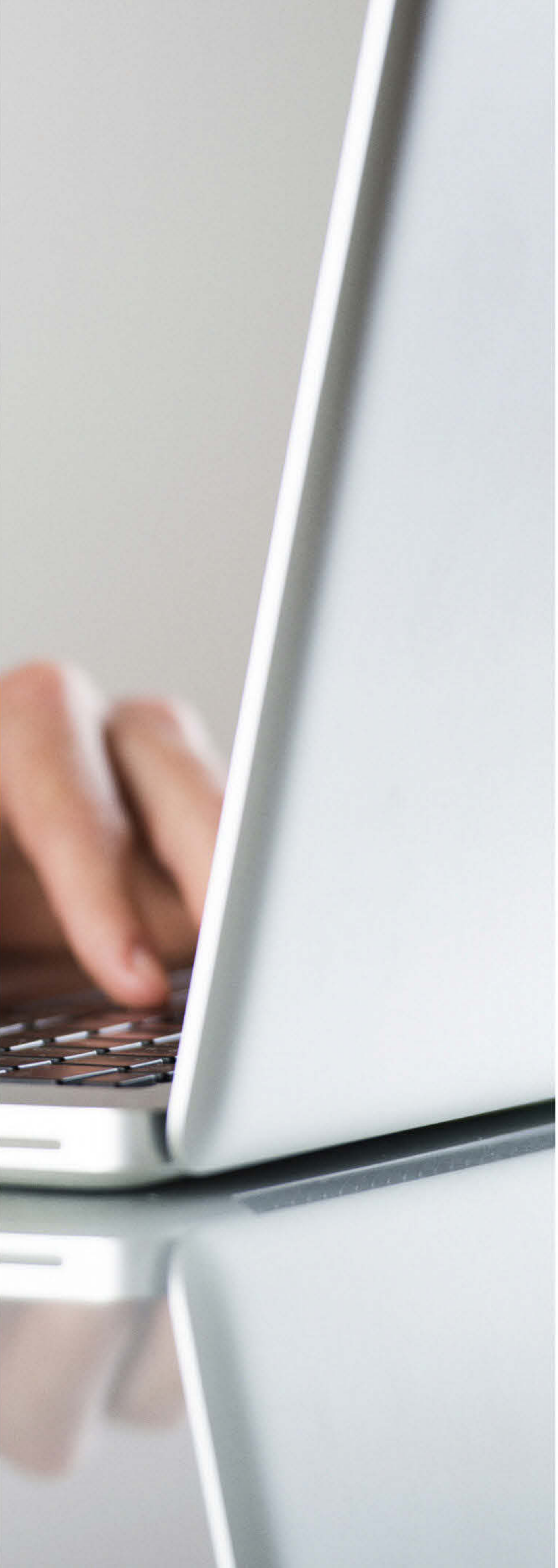
CHEATING WEBSITE ASHLEY MADISON HACKED, PERSONAL INFO POSTED

The parent company of Ashley Madison, a matchmaking website for cheating spouses, says it was hacked and that the personal information of some of its users was posted online.

In addition, the person or persons behind the attack are threatening to release all of the site's personal information - including its members' sexual fantasies and financial information - if the company doesn't take Ashley Madison offline, according to a prominent security blog.

Toronto-based Avid Life Media Inc. says it has had the hackers' posts - which included snippets of personal information - taken down and has hired a technology security firm. The company and law enforcement agencies are investigating.

The breach was first reported late Sunday by Brian Krebs of KrebsonSecurity, a website that focuses on cybersecurity. Ashley Madison, whose slogan is Life is short. Have an affair, purports to have 37 million members.



The hacking follows the May breach of the dating website Adult FriendFinder, which involved the theft of names, email addresses and information about the sexual orientation or habits of up to 4 million of that site's members.

According to Krebs, the hacker or hackers, in the Ashley Madison breach identified as The Impact Team, posted large caches of data from the Ashley Madison site, claiming to have compromised user databases, financial records and other information.

Besides random personal data from members, the hackers also posted maps of the company's internal servers, employee network account information, company bank account data and salary information, Krebs says.

The hacker or hackers also posted a manifesto alongside the data, accusing Avid Life Media of lying to its customers about a $19 service that would scrub all of their personal information from its data bases, saying that the data doesn't actually go away, Krebs says.

The hackers say that if Avid Life does not take its Ashley Madison and Established Men sites offline, it will release all of the company's information - including customer records, nude photos, sexual desires, online conversations, matching credit card transactions, real names and addresses, along with employee documents and emails - according to a screen capture of the hackers' manifesto posted by Krebs.

Avid Life released a statement Monday morning saying that it has been able to secure its sites and close the back doors into its systems.

We are working with law enforcement agencies, which are investigating this criminal act, the company's statement reads. Any and all parties responsible for this act of cyber-terrorism will be held responsible.

SPACEX SAYS 2-FOOT STRUT SNAPPED, BROUGHT DOWN ROCKET

SpaceX suspects a 2-foot steel strut snapped inside its rocket and led to last month's launch accident.

The company's founder and chief executive, Elon Musk, said Monday that hundreds of these struts had flown many times before without any problem. But two minutes into the June 28 launch, one of the struts in the second stage of the unmanned Falcon 9 rocket likely broke loose.

The strut was holding down a high-pressure helium bottle in the liquid oxygen tank. If the strut snapped as engineers believe, according to Musk, the bottle would have shot to the top of the tank at high speed, dooming the rocket and its Dragon supply ship for the International Space Station.

It was the third lost shipment for the orbiting lab in eight months. Russia has resumed deliveries, while SpaceX and Orbital Sciences Corp., NASA's contracted suppliers, remain grounded.

Musk stressed at a news conference that these are preliminary results. He also noted that the Dragon could have saved itself, via parachutes, if the right software had been on board.

He declined to say when the California-based company might attempt another launch, noting the strut issue should push out the flights by maybe just a few months.

"But we want to make sure that we've turned over every piece of data," Musk said, and make certain that nothing else is lurking out there.

"To some degree, I think the company as a whole became maybe a little bit complacent over the course of seven years and ... essentially 20 successes in a row," he told reporters.

Preflight photos showed all of the struts to be fine. But after the failed launch, a few struts on the ground were found to be weak, and that's the basis for SpaceX's initial assessment of the accident, Musk told reporters.

The findings tend to jive with the over-pressurization of the second stage detected in the immediate aftermath of the accident. The rocket's first stage still was operating fine and had yet to separate.

The struts are 2 feet long and about an inch thick at its thickest. SpaceX does not make the struts, a supplier does. From now on, each one will be individually checked, Musk said, and the design and material may be altered for added strength.

The struts are designed to handle 10,000 pounds of force at liftoff; at the time of the accident, they would have been seeing only 2,000 pounds of force. A failure at such a low threshold is "pretty crazy," Musk said. The strut most likely failed at its attachment point, he added.

Another change: Beginning with its next launch, each Dragon cargo carrier will be equipped with software for deploying its parachutes. The Dragon destroyed last month, along with an estimated $110 million worth of NASA equipment and supplies, would have survived if the parachutes normally used for descent at mission's end could have been activated, Musk said.

Future Dragon crew capsules, still a couple years away from launching with astronauts, already have a means for emergency escape.

Musk pointed out that his company had about 500 employees at the time of the last SpaceX rocket failure seven years ago; now it has 4,000. Most employees consequently had only seen success - until June 28 - which means they might not have feared failure quite as much, he said.

Musk, who also runs the Tesla electric car company, said before every launch, he would send out a companywide email encouraging workers to let him know if there is any possible reason for delaying the flight. He realizes some thought he was being paranoid. Indeed, there was "an extreme level of paranoia in the whole team" during the early days of SpaceX's rocket building with the Falcon 1, he said.

"But I think now everyone at the company appreciates just how difficult it is to get rockets to orbit successfully," he said, "and I think we'll be stronger for it."

Online:
SpaceX: **http://www.spacex.com/**

STUDIES: BETTER SLEEP MAY BE IMPORTANT FOR ALZHEIMER'S RISK

To sleep, perchance to... ward off Alzheimer's? New research suggests poor sleep may increase people's risk of Alzheimer's disease, by spurring a brain-clogging gunk that in turn further interrupts shut-eye. Disrupted sleep may be one of the missing pieces in explaining how a hallmark of Alzheimer's, a sticky protein called beta-amyloid, starts its damage long before people have trouble with memory, researchers reported Monday at the Alzheimer's Association International Conference. "It's very clear that sleep disruption is an underappreciated factor," said Dr. Matthew Walker of the University of California, Berkeley, who presented data linking amyloid levels with people's sleep and memory performance. "It's a new player on the scene that increases risk of Alzheimer's disease."

Sleep problems are treatable - and a key next question is whether improving sleep can make a difference in protecting seniors' brains.

"Sleep is a modifiable factor. It's a new treatment target," Walker said.

Enough sleep is important for good health generally - seven to eight hours a night are recommended for adults. When it comes to the brain, scientists have long known that people who don't get enough have trouble learning and focusing. And anyone who's cared for someone with dementia knows the nightly wandering and other sleep disturbances that patients often suffer, long thought to be a consequence of the dying brain cells.

The new research suggests that sleep problems actually interact with some of the disease processes involved in Alzheimer's, and that those toxic proteins in turn affect the deep sleep that's so important for memory formation.

“It may be a vicious cycle,” said Dr. Miroslaw Mackiewicz of the National Institute on Aging, who wasn’t part of the new work.

Walker’s team gave PET scans to 26 cognitively healthy volunteers in their 70s to measure build-up of that gunky amyloid. They were given words to memorize, and their brain waves were measured as they slept overnight.

The more amyloid people harbored in a particular brain region, the less deep sleep they got - and the more they forgot overnight, Walker said. Their memories weren’t transferred properly from the brain’s short-term memory bank into longer-term storage. What’s the risk over time? Two sleep studies tracked nearly 6,000 people over five years, and found those who had poor sleep quality - they tossed and turned and had a hard time falling asleep - were more likely to develop mild cognitive impairment, early memory problems that sometimes lead to Alzheimer’s, said Dr. Kristine Yaffe of the University of California, San Francisco.

Sleep apnea - brief interruptions of breathing that repeatedly awaken people without them realizing - caused a nearly two-fold increase in that risk, Yaffe said. She recommended that people at risk of Alzheimer’s be screened for sleep disorders, especially apnea, which has effective treatment.

“There’s a lot of evidence that we need to pay more attention” to sleep in seniors, she said.

Animal studies give clues to the biology behind these changes. Dr. David Holtzman of Washington University in St. Louis reported a series of mice experiments that found amyloid production is highest during waking hours and lowest during deep

sleep. Depriving mice of sleep spurred toxic amyloid build-up and, intriguingly, once those deposits began, the mice stayed awake longer on their own. Holtzman also checked Alzheimer's other bad actor, the protein tau that forms tangles in the brain, and found the same effect on deep sleep.

Another hint came a few years ago, when University of Rochester scientists reported that the brain uses sleep to flush out toxic debris. They injected mice brains with amyloid and watched it clear faster while they slept.

The work comes as researchers hunt ways to prevent a coming wave of Alzheimer's as the population ages, driven by the baby boomer generation that begins turning 70 next year. More than 5 million Americans already have Alzheimer's, a number expected to more than double by 2050. Changes that lead to Alzheimer's can begin 20 years before memory lapses, and scientists are studying drugs in people at high risk in hopes of finding preventive treatment.

But so far, lifestyle changes are the main recommendation, and starting early seems important. Yaffe also reported Monday that younger adults who get little physical activity have worse cognitive functioning by middle age. In Sweden, Karolinska Institute researchers tracked down seniors' long-ago report cards to find that school performance at age 9 or 10 predicted who was already building a better "cognitive reserve" to guard against later-in-life decline. "There are lots of risk factors we might be able to change. Sleep is one," said Alzheimer's Association chief science officer Maria Carrillo. Together, she said, the new research emphasizes how "sleep is critical as we age."


5 SECOND
OF SUMMER

TOP 10 SONGS

CHEERLEADER (FELIX JAEHN REMIX RADIO EDIT)
Omi

CAN'T FEEL MY FACE
The Weeknd

FIGHT SONG
Rachel Platten

WATCH ME (WHIP / NAE NAE)
Silento

SHE'S KINDA HOT
5 Seconds of Summer

GOOD FOR YOU (FEAT. A$AP ROCKY)
Selena Gomez

HONEY, I'M GOOD.
Andy Grammer

LEAN ON (FEAT. MØ & DJ SNAKE)
Major Lazer

SHUT UP AND DANCE
WALK THE MOO

KICK THE DUST UP
Luke Bryan

TOP 10 ALBUMS

1989
Taylor Swift

KILL THE LIGHTS
Luke Bryan

ANGELS AND ALCOHOL
Alan Jackson

MONTEVALLO
Sam Hunt

GUARDIANS OF THE GALAXY: AWESOME MIX, VOL. 1 (ORIGINAL MOTION PICTURE SOUNDTRACK)
Various Artists

BLURRYFACE
twenty one pilots

X (DELUXE EDITION)
Ed Sheeran

FOO FIGHTERS: GREATEST HITS
Foo Fighters

JEKYLL + HYDE
Zac Brown Band

EVERYDAY JESUS
Anthony Brown & group therAPy

TOP 10 MUSIC VIDEOS

WATCH ME (WHIP / NAE NAE)
Silento

BAD BLOOD (FEAT. KENDRICK LAMAR)
Taylor Swift

DANCE LIKE WE'RE MAKING LOVE
Ciara

GOOD FOR YOU
Selena Gomez

UPTOWN FUNK (FEAT. BRUNO MARS)
Mark Ronson

GIRL CRUSH
Little Big Town

CHEERLEADER (FELIX JAEHN REMIX)
Omi

FIGHT SONG
Rachel Platten

WORTH IT (FEAT. KID INK)
Fifth Harmony

SHAKE IT OFF
Taylor Swift


THE STRAIN

TOP 10 TV SHOWS

LONG DAY'S JOURNEY
The Last Ship, Season 2

EPISODE 4
Humans

BY ANY MEANS
The Strain, Season 2

NO PUEDO HACERLO
Suits, Season 5

POPE BREAKS BAD
Falling Skies, Season 5

EPS1.3_DA3M0NS.MP4
Mr. Robot, Season 1

CHINATOWN
Hell On Wheels, Season 5

NO STONE UNTURNED
Pretty Little Liars, Season 6

NO REFILLS
Suits, Season 5

GAME ON, CHARLES
Pretty Little Liars, Season 6

TOP 10 BOOKS

GREY
E L James

THE GIRL ON THE TRAIN
Paula Hawkins

PAPER TOWNS
John Green

GO SET A WATCHMAN
Harper Lee

SELP-HELF
Miranda Sings

SPEAKING IN BONES
Kathy Reichs

CODE OF CONDUCT
Brad Thor

PALE KINGS AND PRINCES
Cassandra Clare & Robin Wasserman

LUCKIEST GIRL ALIVE
Jessica Knoll

THE ENGLISH SPY
Daniel Silva

SHARES OF PAYPAL RISE ON 1ST DAY OF TRADING

PayPal shares jumped in its first day as a separate and publicly traded company as the firm outlined plans to capitalize on the rise of mobile payments and the growing digitization of money.

The payments system company officially split with eBay Inc. on Friday, 10 months after they announced that they were going their separate ways.

PayPal processed $235 billion in total payment volume last year and logged revenue of about $8 billion. It plans to grow market share in mobile and online payments as well as expanding in areas like in-store payments.


yPal
aq Q3
asdaq
DISRUPTOR 50
21ST CE
SHERWOOD
Bikini Top
$4.99
H&M
NEW YORK WATER TAXI
SHERWOOD
NYPD
NEW YORK POLICE

Trading on the Nasdaq Stock Exchange under the stock ticker "PYPL," shares jumped $2.08, or 5.4 percent, to $40.47 on Monday.

PayPal CEO Dan Schulman and employees rung in the opening bell on the Nasdaq, while the company gave out food via food trucks in Times Square and posted passersby's photos on Nadsaq's seven-story digital billboard to commemorate the listing.

In an interview with The Associated Press on Monday, Schulman said that being an independent company gives PayPal the ability to work with companies that might have hesitated before the split due to its association with eBay.

"One of the big advantages for us is truly we now are world's leading neutral third-party payments provider and that will allow us the opportunity to partner with a number of companies across the world who before the separation either directly competed with eBay or had a perceived potential conflict with eBay," he said. "And now we are free to work with any of them."

But similar to before the separation, the company's focus is to grow its relationship with merchants and consumers, he added.

"We want to be much more than a proprietary button on merchants' websites," he said. "We want to be a full-services partner to them as they look to use mobile tech to create more intimate relationship with their customers."

PayPal plans to grow market share with online and mobile payments, as well as in-store payments, he said.

"As we see the proliferation of mobile devices and the digitization of money explode across the world, we have an opportunity to follow those trends very naturally in the online space and in the app space, and now to the in-store experience," he said.


Nasdaq
Nasdaq NDAQ
NASDAQ LISTED
PRE-MARKET
HANGED
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NASDAQ PayPal PYPL
NASDAQ LISTED
PRE-MARKET
+4.6%
$40.15
+1.76
DOWJONES
INDUSTRIAL AVERAGE
NASDAQ
-0.2%
18,086.45
-33.80
PayPal
PYPL
Nasdaq
PYPL
NasdaqListed

R.W. Baird analyst Colin Sebastian initiated coverage on the company with an “Outperform” rating and $45 12-month price target, meaning he expects the stock to reach $45 over the next year.

“We view PayPal as part of a select group of online platform companies that are well positioned for long-term growth and market share expansion,” he said. “More specifically, PayPal is setting the global standard for online payments with trusted consumer brands and significant scale and reach.”

Shares of eBay, based in San Jose, California, rose 67 cents, or 2.4 percent to $28.57.


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